			FOR U.S. PATENT AP	
As a below named in next to my name; and I believe and joint inventor (if plural invention entitled:	eve that I am the origin	nal, first and sole inve	entor (if only one name is list	tizenship are as stated below ted below) or an original, first or which a patent is sought on
Title: SPEAKER, MODULE L	JSING THE SAME, EL	ECTRONIC EQUIPM	1ENT AND DEVICE, AND SF	PEAKER PRODUCING
☐ the attached specification ☐ the specification in the and with amendments for the specification in late.	ion, or Application No filed on	No. PCT/ IP2005/004	ne specification of which is att filed on(if applicab	; ble), or
I hereby state that I h as amended by any amendm	nave reviewed and und sent(s) referred to abov	Jerstand the contents /e.	of the above-identified speci	ification, including the claims,
I acknowledge my do patentability as defined in Title	uty to disclose to the L le 37, Code of Federal	J.S. Patent and Trade Regulations, §1.56.	emark Office all information k	known to me to be material to
I hereby claim foreig application(s) for patent or in country other than the United inventor's certificate, or of an claimed:	nventor's certificate, or d States of America, lis	or §365(a) of any PCT sted below, and have	T international application whealso identified below any for	reign application for patent or
COUNTRY	APPLICA	ATION NO.	DATE OF FILING	PRIORITY CLAIMED
Japan	2004-	-103775	March 31, 2004	Yes
Japan	2004-	-197561	July 5, 2004	Yes
☐ Additional foreign or internal I hereby claim the blisted below.			supplemental priority sheet at	
Numb	ber		(Day/Month/Year Fil	led)
	<u> </u>			
41	,	1		

 $\ \square$ Additional U.S. provisional application numbers are listed on a supplemental priority sheet attached hereto.

I hereby claim the benefit under Title 35, United States Code §120 of any United States application(s), or §365(C) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of Title 35, United States Code §112, I acknowledge the duty to disclose information material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

APPLICATION NO.	U.S. FILING DATE	STATUS: PATENTED, PENDING, ABANDONED
		1

□ Additional U.S. or international application numbers are listed on a supplemental priority sheet attached hereto.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the attorneys and agents associated with U.S. Patent and Trademark Office Customer Number identified bellow to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected therewith, and direct that all correspondence be addressed to that customer number.

I hereby authorize the U.S. attorneys and agents associated with the customer number to accept and follow instructions from Matsushita Electric Industrial Co., Ltd., and any affiliated or subsidiary company thereof, received via their corporate representatives and/or their foreign patent attorneys or agents, if any, as to any action to be taken in the U.S. Patent and Trademark Office regarding this application without direct communication between the U.S. attorneys or agents and myself.

Direct Correspondence to:

CUSTOMER NUMBER 52349

Wenderoth, Lind & Ponack, L.L.P.

I further declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Full Name of Sole or First	FIRST NAME	LAST NAME	SIGNATURE	DATE C	FSIGNATURE
Inventor	Takanori	FUKUYAMA	Takanosi Ful	eugama :	June.19, 2006
Residence & Citizenship	CITY	STATE OR COUN	TRY		F CITIZENSHIP
	Mie	Japan		Japan	
Post Office Address	ADDRESS	CITY		R COUNTRY	ZIP CODE
	c/o Panasonic Electi	ronic Devices Co., Ltd., 1006	6, Oaza Kadoma, Kadoma-	shi, Osaka 571-8	506 Japan

Full Name of Second Inventor	FIRST NAME Tomoyasu	LAST NAME TAKASE	SIGNATURE Tromogram Takus	DATE OF SIGNATURE 16 June 23, 2006
Residence & Citizenship	CITY Mie	STATE OR COUNT Japan	RÝ /	COUNTRY OF CITIZENSHIP Japan
Post Office Address	ADDRESS c/o Panasonic Electi	CITY ronic Devices Co., Ltd., 1006	STATE OR C , Oaza Kadoma, Kadoma-shi,	

Full Name of	FIRST NAME	LAST NAME	SIGNATURE	DATE OF SIGNATURE
Third Inventor	Koji	SANO		June 19.2006
Residence & Citizenship	CITY Mie	STATE OR COUN	ITRY	COUNTRY OF CITIZENSHIP
Post Office Address	ADDRESS	CITY	STATE O 6, Oaza Kadoma, Kadoma-	Japan R COUNTRY ZIP CODE shi, Osaka 571-8506 Japan
Full Name of	FIRST NAME	LACTNAME		
Fourth Inventor	Hiroshi	LAST NAME YANO H	SIGNATURE IRDSHI YANO	June 19. 2006
Residence & Citizenship	CITY Mie	STATE OR COUN Japan		COUNTRY OF CITIZENSHIP
Post Office Address	ADDRESS	CITY	STATE O	Japan R COUNTRY ZIP CODE shi, Osaka 571-8506 Japan
Full Name of Fifth Inventor	FIRST NAME Masanori	LAST NAME NAKANO	signature Masahori Nakaho	DATE OF SIGNATURE
Residence & Citizenship	CITY Mie	STATE OR COUN Japan	TRY	COUNTRY OF CITIZENSHIP Japan
Post Office Address	ADDRESS c/o Panasonic Electro	CITY	STATE OI 6, Oaza Kadoma, Kadoma-	R COUNTRY ZIP CODE
Full Name of	FIRST NAME	LAST NAME		
Sixth Inventor	Shigeru	TOMOEDA	SIGNATURE	DATE OF SIGNATURE
Residence & Citizenship	CITY	STATE OR COUN	TRY	June 19.2000 COUNTRY OF CITIZENSHIP
	Mie	Japan		
Post Office Address	ADDRESS	Japan CITY onic Devices Co., Ltd., 100	STATE OI 6, Oaza Kadoma, Kadoma-s	Japan R COUNTRY ZIP CODE shi, Osaka 571-8506 Japan
Post Office Address Full Name of	ADDRESS c/o Panasonic Electro	CITY onic Devices Co., Ltd., 100	6, Oaza Kadoma, Kadoma-s	R COUNTRY ZIP CODE shi, Osaka 571-8506 Japan
	ADDRESS	CITY	6, Oaza Kadoma, Kadoma-s	R COUNTRY ZIP CODE shi, Osaka 571-8506 Japan DATE OF SIGNATURE
Full Name of	ADDRESS c/o Panasonic Electro	CITY Onic Devices Co., Ltd., 100 LAST NAME HONDA STATE OR COUN	6, Oaza Kadoma, Kadoma-s	DATE OF SIGNATURE United Street Signature October 19, 206 COUNTRY OF CITIZENSHIP
Full Name of Seventh Inventor	ADDRESS c/o Panasonic Electro FIRST NAME Kazuki CITY Mie ADDRESS	CITY Onic Devices Co., Ltd., 100 LAST NAME HONDA STATE OR COUN Japan CITY	SIGNATURE SIGNATURE Franki Handa	DATE OF SIGNATURE Une 19, 2006 COUNTRY OF CITIZENSHIP Japan
Full Name of Seventh Inventor Residence & Citizenship Post Office Address	ADDRESS c/o Panasonic Electro FIRST NAME Kazuki CITY Mie ADDRESS c/o Panasonic Electro	CITY Onic Devices Co., Ltd., 100 LAST NAME HONDA STATE OR COUN Japan CITY Onic Devices Co., Ltd., 100	SIGNATURE SIGNATURE Francia TRY	DATE OF SIGNATURE Utine 19, 2006 COUNTRY OF CITIZENSHIP Japan R COUNTRY Shi, Osaka 571-8506 Japan
Full Name of Seventh Inventor Residence & Citizenship Post Office Address (If there are more that inventors)	ADDRESS c/o Panasonic Electro FIRST NAME Kazuki CITY Mie ADDRESS c/o Panasonic Electro n seven inventors, pleasonic	CITY Onic Devices Co., Ltd., 100 LAST NAME HONDA STATE OR COUN Japan CITY Onic Devices Co., Ltd., 100 e add a copy of this page f	SIGNATURE SIGNATURE Franki Honda TRY STATE OF 6, Oaza Kadoma, Kadoma-s	DATE OF SIGNATURE Utine 19, 206 COUNTRY OF CITIZENSHIP Japan R COUNTRY Shi, Osaka 571-8506 Japan
Full Name of Seventh Inventor Residence & Citizenship Post Office Address (If there are more than	ADDRESS c/o Panasonic Electro FIRST NAME Kazuki CITY Mie ADDRESS c/o Panasonic Electro n seven inventors, pleasonic electro nore particularly identified	CITY Onic Devices Co., Ltd., 100 LAST NAME HONDA STATE OR COUN Japan CITY Onic Devices Co., Ltd., 100 e add a copy of this page for the copy of the copy of this page for the copy of the	SIGNATURE SIGNATURE Franki Honda TRY STATE OF 6, Oaza Kadoma, Kadoma-s	DATE OF SIGNATURE Utine 19, 206 COUNTRY OF CITIZENSHIP Japan R COUNTRY Shi, Osaka 571-8506 Japan

Eighth Inventor	FIRST NAME	LAST NAME	SIGNATU	RE	DATE OF	SIGNATURE
•	Kazuya	YAMASAKI	Kazuya	Yamas	aki Tun	ا 19 200 م
Residence & Citizenship	CITY	STATE OR COUN	ITRY	1 1 11 100.5	COUNTRY OF	CITIZENSHIP
	Osaka	Japan			Japan	
Post Office Address	ADDRESS c/o Panasonic Electro	CITY onic Devices Co., Ltd., 100	06, Oaza Kadoma,	STATE OR Kadoma-sh	COUNTRY i, Osaka 571-850	ZIP CODE 06 Japan
Full Name of	FIDET NAME	LACT MANE				
Ninth Inventor	FIRST NAME Kazutaka	LAST NAME KUBO	SIGNATU			SIGNATURE
	Nazulaka	KUBU	Kazutaka	KUBO	June 19	1.200E
Residence & Citizenship	CITY	STATE OR COUN	ITRY		COUNTRY OF	CITIZENSHIP
Post Office Address	Mie ADDRESS	Japan			Japan COUNTRY	
Post Office Address		CITY onic Devices Co., Ltd., 100	06, Oaza Kadoma,	Kadoma-sh	i, Osaka 571-850	ZIP CODE 06 Japan
Full Name of	FIRST NAME	LAST NAME	SIGNATU	IDE .	DATE OF	SIGNATURE
Tenth Inventor	Takeshi	SHIMOKAWATO	KO	, /	JAIEUF	SIGNATURE
•		55.te , 11 5.	TRY STATE	har than	itiskin Jinin	r(`?'0j₃
Residence & Citizenship	CITY	STATE OR COUN	ITRY		COUNTRY OF	CITIZENSHIP
·	Mie	Japan			Japan	
Post Office Address	ADDRESS	CITY		STATE OR	COUNTRY	ZIP CODI
	L c/o Panasonic Electro	onio Dovinos Co. 14d. 100			: A1 E74 AE4	
	0,0 Turido Pilo Dicont	onic Devices Co., Ltd., 100	b, Oaza Kadoma,	Kadoma-sn	I, Osaka 5/1-850)6 Japan
Full Name of	FIRST NAME	LAST NAME			DATE OF	
Full Name of Eleventh Inventor		LAST NAME	SIGNATU	RE	DATE OF	SIGNATURE
- -	FIRST NAME	LAST NAME	SIGNATU	RE	DATE OF	SIGNATURE
Eleventh Inventor	FIRST NAME Mitsutaka	LAST NAME ENOMOTO Mit STATE OR COUN	SIGNATU	RE	DATE OF	SIGNATURE
Eleventh Inventor	FIRST NAME Mitsutaka CITY Mie ADDRESS	LAST NAME ENOMOTO STATE OR COUN Japan CITY	SIGNATUI SU t3 k3 E2	RE nomo (o	DATE OF S JUNE COUNTRY OF S Japan COUNTRY	SIGNATURE
Eleventh Inventor Residence & Citizenship	FIRST NAME Mitsutaka CITY Mie ADDRESS	LAST NAME ENOMOTO Mit STATE OR COUN Japan	SIGNATUI SU t3 k3 E2	RE nomo (o	DATE OF S JUNE COUNTRY OF S Japan COUNTRY	SIGNATURE
Eleventh Inventor Residence & Citizenship	FIRST NAME Mitsutaka CITY Mie ADDRESS c/o Panasonic Electro	LAST NAME ENOMOTO Mit STATE OR COUN Japan CITY onic Devices Co., Ltd., 100	SIGNATUI SU t3 k3 E 2 ITRY 06, Oaza Kadoma,	RE nc no To STATE OR Kadoma-sh	DATE OF SUPPLY OF COUNTRY OF COUNTRY	SIGNATURE /// >04 CITIZENSHIP ZIP CODE 06 Japan
Eleventh Inventor Residence & Citizenship Post Office Address	FIRST NAME Mitsutaka CITY Mie ADDRESS c/o Panasonic Electro	LAST NAME ENOMOTO STATE OR COUN Japan CITY onic Devices Co., Ltd., 100	SIGNATUI SU t3 k3 E 2 ITRY 06, Oaza Kadoma, SIGNATUI	RE OLOMO TO STATE OR Kadoma-sh	DATE OF SOUNTRY OF COUNTRY OF COUNTRY I, Osaka 571-850	SIGNATURE /// > 0 t CITIZENSHIF ZIP CODI 06 Japan SIGNATURE
Eleventh Inventor Residence & Citizenship Post Office Address Full Name of	FIRST NAME Mitsutaka CITY Mie ADDRESS c/o Panasonic Electro	LAST NAME ENOMOTO STATE OR COUN Japan CITY onic Devices Co., Ltd., 100	SIGNATUI SU t3 k3 E 2 ITRY 06, Oaza Kadoma, SIGNATUI	RE OLOMO TO STATE OR Kadoma-sh	DATE OF SOUNTRY OF COUNTRY OF COUNTRY I, Osaka 571-850	SIGNATURE /// > 0 t CITIZENSHIF ZIP CODI 06 Japan SIGNATURE
Eleventh Inventor Residence & Citizenship Post Office Address Full Name of Twelfth Inventor	FIRST NAME Mitsutaka CITY Mie ADDRESS c/o Panasonic Electro	LAST NAME ENOMOTO STATE OR COUN Japan CITY onic Devices Co., Ltd., 100	SIGNATUI SU t3 k3 E 2 ITRY 06, Oaza Kadoma, SIGNATUI	RE OLOMO TO STATE OR Kadoma-sh	DATE OF SOUNTRY OF COUNTRY OF COUNTRY I, Osaka 571-850	SIGNATURE /// > 0 t CITIZENSHIF ZIP CODI 06 Japan SIGNATURE
Eleventh Inventor Residence & Citizenship Post Office Address Full Name of Twelfth Inventor Residence & Citizenship	FIRST NAME Mitsutaka CITY Mie ADDRESS c/o Panasonic Electro FIRST NAME Masahide CITY Mie	LAST NAME ENOMOTO STATE OR COUN Japan CITY onic Devices Co., Ltd., 100 LAST NAME SUMIYAMA STATE OR COUN	SIGNATUI SU TEKE EX ITRY 06, Oaza Kadoma, SIGNATUI Vasahide SU ITRY	RE OCHOTO STATE OR Kadoma-sh RE	DATE OF S JUNU COUNTRY OF S Japan COUNTRY i, Osaka 571-856 DATE OF S A June . A COUNTRY OF S Japan	SIGNATURE // / / / / / / ZIP CODI 06 Japan SIGNATURE // / / / / / / / / / / / / / / / / /
Eleventh Inventor Residence & Citizenship Post Office Address Full Name of Twelfth Inventor	FIRST NAME Mitsutaka CITY Mie ADDRESS c/o Panasonic Electro FIRST NAME Masahide CITY Mie ADDRESS	LAST NAME ENOMOTO STATE OR COUN Japan CITY onic Devices Co., Ltd., 100 LAST NAME SUMIYAMA STATE OR COUN	SIGNATUI SU TEKE EX OF, Oaza Kadoma, SIGNATUI Vasahide SU ITRY	RE COMO TO STATE OR Kadoma-sh RE (MIYAM)	DATE OF S JUNU COUNTRY OF S Japan COUNTRY i, Osaka 571-856 DATE OF S A June . A COUNTRY OF S Japan COUNTRY COUNTRY	SIGNATURE // / / / / / / ZIP CODI 06 Japan SIGNATURE // / / / / / / / CITIZENSHIF